



**Scheme for Promotion of Academic and Research Collaboration (SPARC)**

**sponsored**

**Two Day International Conference**

**on**

**New Materials in Carbon Capture and Environmental  
Remediation (NMCCER 2024)**

**Organizing Secretary**

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Dr. Santosh K. Tiwari  
Associate Professor,  
Centre For New Materials & Surface Engineering  
Department of Chemistry

**5<sup>th</sup> & 6<sup>th</sup> December 2024**

Organised by:



**NMAM INSTITUTE  
OF TECHNOLOGY**

**Off Campus Centre of Nitte (DU)**

**Nitte, Karkala Taluk, Udupi District, Karnataka 574110**

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## **About the Institute**

Nitte Mahalinga Adyanthaya Memorial Institute of Technology (NMAMIT), Nitte established in 1986 and approved by the All India Council for Technical Education, New Delhi, is a constituent college of Nitte (Deemed to be University), Mangaluru. Nitte (DU) has been accredited with 'A+' Grade by NAAC; awarded Category 'A' status by MHRD GoI; ranked 65<sup>th</sup> in NIRF 2023 and is in the 401-450 band in the QS Asia University Rankings 2022 and 201-300 band in the Times Higher Education (THE) Impact Rankings 2022.

NMAMIT is ranked in the rank band 101-150 during National Institutional Ranking Framework (NIRF) 2023 by MoE, GoI among the engineering colleges in India. The eligible undergraduate programs are accredited by the National Board of Accreditation (NBA), New Delhi under TIER-I category. NMAMIT has active collaborations with several international universities and organizations for faculty and student exchanges, research, internships and placements.

The sanctioned annual intake of students is 1440 for BTech and 319 for PG programs of MTech and MCA. NMAMIT has over 5000 students studying in the campus.

NMAMIT is located in a vibrant, serene and green campus at Nitte spread over 140 acres and is nestled in the Western Ghats of Southern India on the way to the Kudremukh ranges. The nearest airport is Mangaluru International Airport (45 km). The nearest railway stations are Udupi (40 km) and Mangaluru (50 km). Nitte is 19 km from NH-66 connecting Kochi (Kerala) and Panvel (Mumbai) and 7 km on NH-169 connecting Mangaluru and Solapur (Maharashtra).

## **About Department of Chemistry**

The Department of Chemistry has been playing a profound role in providing a strong basic foundation for undergraduate students. The Department is a hub of diverse research activities involving fundamental studies such as synthetic organic chemistry, polymers and nanomaterials for various applications such as corrosion, desalination, healthcare, sensors, energy and environment. The research center is funded by NDU and external national and international funding agencies (VGST, DBT, DST, UKIERI, SPARC, EU, and industries) and takes pride in delivering more than 200+ research articles in international journals of high quality and impact. We, at the Department of Chemistry, drive research and innovation to make meaningful contributions to science and society.

## **About SPARC:**

The Scheme for Promotion of Academic and Research Collaboration (SPARC), an initiative of Ministry of Human Resource Development, Government of India, aims at improving the research ecosystem of India's higher educational institutions by facilitating academic and research collaborations between top ranked Indian Institutions and globally ranked Foreign Institutions, through Joint Research Projects involving mobility of students and faculty. The SPARC Scheme is expected to have a major impact in providing the best international expertise to address major national problems, expose Indian academicians to the best collaborators abroad, enable international faculty to stay in India for a longer duration, provide Indian students an opportunity to work in the world class laboratories, to develop strong bilateral relationships in research, and improve the international ranking of Indian Institutions.

## Conference Overview

The two-day international conference NMCCER-2024 is organized by NMAM Institute of Technology, NDU and funded by the Scheme for Promotion of Academic and Research Collaboration (SPARC), a Government of India initiative. The conference aims to improve the research ecosystem of India's higher educational institutions by facilitating academic and research collaborations amongst Indian research groups with top research groups in the world. The theme of the conference is underlying the sustainable development goals towards environment and climate conservation. A fast paced research and development activity is essential to ensure a sustainable future for our planet. NMCCER-2024 is a small step in bringing forward like-minded people and experienced mentors from national and international destinations to ignite and motivate the minds of budding scholars. The conference will provide an opportunity for knowledge sharing and discussions on design and development of exciting materials and finding innovative technological solutions for addressing the current environment crisis. The deliberations include keynote addresses and invited talks by renowned scientists from India and around the world as well as oral presentations by researchers and faculty.

## Theme of the Conference and Thrust Areas

With a basic theme of co-relating applied research with technology, the conference includes but not limited to the following thrust areas:

Carbon Capture and Utilization (CCU)	Environmental Chemistry
Water treatment and remediation	Analytical and bioanalytical chemistry
Advances in Nanomaterials Science	Polymer Science and Technology
Catalytic materials & Green Chemistry	Hydrogen energy-generation & storage
Advanced Energy Materials	Metallurgy and Corrosion
Computational Materials Science	Functional and sustainable materials
Electrochemistry	Biomaterials

## Call for papers

The technical committee warmly invites abstract of original research papers to the conference from academic/industry professionals, R&D organizations & departments and researcher scholars across the globe. The manuscript should contribute original research ideas, analysis & findings which is related to the conference theme. The manuscript should not have been published/under review in any journals or conference proceedings or magazines. Only selected submitted articles will be considered for publication in high impact Scopus journal. The selection process involves peer review based on the originality, quality and novelty of the work. Authors interested in journal publication of their research article should submit the full-length manuscript as per prescribed format. Visit conference website for manuscript template and paper submission links.

## Important Dates

Submission of Abstract/Early bird registration	<b>15<sup>th</sup> November 2024</b>
Submission of Full-length paper	<b>1st January 2025</b>
Acceptance Notification	<b>15<sup>th</sup> January 2025</b>
Conference dates	<b>5<sup>th</sup> and 6<sup>th</sup> December 2024</b>

## Registration Fee

Registration fee	Indian Delegates (INR)		Foreign Delegates (USD)	
	Early Bird	Later	Early Bird	Later
Research scholars /Academicians	2000	2500	50	60
Graduate/Post-graduate students	0	500	35	40
Industry professionals	3500	4000	100	150

Early bird registration deadline will be **15/11/024**

Visit conference website for registration details.

## Committee Members

<b>Patron</b>	Sri N. Vinaya Hegde, Honourable Chancellor, NDU
<b>Chairman</b>	Prof. (Dr) M S Moodithaya Honourable Vice-Chancellor, NDU
<b>Vice- Chairman</b>	Prof. (Dr) Harsha Halahalli Registrar, NDU
<b>Convener</b>	Prof. (Dr) Niranjan N. Chiplunkar Principal, NMAMIT
<b>Scientific Committee Chairman</b>	Prof. (Dr) Praveenkumar Shetty Director (R&D), NDU
<b>Co-convener</b>	Dr. Aarti S. Bhatt Head, Dept. of Chemistry, NMAMIT
<b>Organizing Secretary</b>	Dr. Santosh K. Tiwari Associate Professor, Dept. of Chemistry, NMAMIT
<b>Faculty Organizing Members</b>	Dr. Janardhana Nayak Dr. Ramesh Bhat Dr. Shivaprasad Shetty M. Dr. Subrahmanya I. Bhat Dr. Sarvajith M.S. Dr. Ranjitha Dr. Shreyakanth



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